

7.8

HW

p393 15-27 odd 32, 33

15.  $\{(8,3)(-2,4)(-3,5)\}$

17.  $\{(-2,-1)(-2,-3)(-4,-1)(6,0)\}$

19.  $\{(8,2)(5,-6)(2,8)(-6,5)\}$

Graphs on graph paper

21.  $g(x) = -2x$

$x = -2y$

$-\frac{1}{2}x = y$

$g^{-1}(x) = -\frac{1}{2}x$

23.  $g(x) = x+4$

$x = y+4$

$x-4 = y$

$g^{-1}(x) = x-4$

25.  $y = -2x-1$

$x = -2y-1$

$x+1 = -2y$

$\frac{x+1}{-2} = y$

27.  $f(x) = \frac{5}{8}x$

$x = \frac{5}{8}y$

$\frac{8}{5}x = y$

$f^{-1}(x) = \frac{8}{5}x$

32.  $f(x) = x-5$

$g(x) = x+5$

$[f \circ g](x) = x+5-5 = x \checkmark$

$[g \circ f](x) = x-5+5 = x \checkmark$

yes

33.  $f(x) = 3x+4$

$g(x) = 3x-4$

$[f \circ g](x) = 3(3x-4)+4 = 9x-8$

Not inverses

b/c not identity

